

ANDHRA PRADESH PARAMEDICAL BOARD, VIJAYAWADA
COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, JANUARY, 2019
DIPLOMA IN AUDIOMETRY TECHNICIAN COURSE

PAPER-I

Basics of Anatomy, Physiology, Biochemistry, Human Ear & Biostatistics

Time: 3 Hours
Answer any **TEN** questions

Total Marks:80
All Questions carry equal marks

Write the entire answer to a question at one place only but not in different stages

1. Draw the diagram of Tympanic membrane and Ossicular chain. Describe the anatomy in detail.
2. Discuss the physiology of sound conduction in the Middle Ear.
3. Discuss the anatomy of the Eustachian tube and its role in Middle ear ventilation.
4. Describe the protocol for counselling of parents for a Deaf Child.
5. Discuss the biochemistry of Inner ear fluids.
6. What is Standard Deviation? Write about the importance of student T-test.
7. What are Cochlear Microphonics? Discuss various types.
8. Discuss about Speech Audiometry and its clinical applications.
9. Describe the Glucose metabolism in the human body.
10. Write in detail about maintenance and storage of glassware in a biochemical laboratory.
11. Describe in detail about Action Potentials and add a note of their role in the ear.
12. What are the various methods of prevention, safety and first aid management in laboratory accidents?